

**NORTH-EX PUBLIC SCHOOL**  
**(Senior Secondary, Affiliated To CBSE)**  
**School Block, Jain Nagar, Sector-38, Rohini, Delhi– 81**  
**HALF YEARLY EXAMINATION (2023-24)**  
**SUBJECT –SCIENCE**  
**CLASS – VI**

**TIME: 2 Hrs. 30 mins.**

**M.M.: 60**

**General Instructions:**

- i) The question paper comprises five sections A, B, C, D and E
- ii) Section A - question no.1 to 10 carries 01 marks each.
- iii) Section B - question no. 11 to 14, carries 2 marks each.
- iv) Section C - question no. 15 to 18, carries 3 marks each.
- v) Section D - question no. 19 to 23, carries 4 marks each.
- vi) Section E - question no. 24 and 25 carries 5 marks each.

**SECTION - A**

Q1. What is the living component of an ecosystem known as?

Q2. Name the bud responsible for the growth of plant.

Q3. How many bones make up the human skeleton?

Q4. Is snail a vertebrate?

Q5. Solute and solvent mix together to form?

- a) Mixture      b) Solution

Q6. In a magnet the magnetic pull is stronger at the?

- a) Centre      b) Pole

Q7. Give one example of insoluble mixture.

➤ For question number 8 to 10 change 1 word to make the sentence true

Q8. Plant show movement towards sound.

Q9. Animals can make their own food.

Q10. Animals grow throughout their life.

**SECTION - B**

Q11. Why do pine trees have pointed leaves?

Q12. Why do animals need to move?

Q13. Why are Electric wires covered by an insulating material?

Q14. Write the difference between transparent and opaque object.

## **SECTION - C**

- Q15. What is the food chain? Draw a food chain.
- Q16. Write the functions of the root.
- Q17. Write the functions of the skeleton in human.
- Q18. Why do we need to separate substances?

## **SECTION - D**

- Q19. Draw structure of a stem and label its various parts.
- Q20. Write at least 4 properties of a magnet.
- Q21. Explain the various types of joints in our body.
- Q22. Read the following statements carefully and mention it whether these are true or false then correct the statement.
- a) Gills of a fish help to balance their body.
  - b) Snakes have no backbone.
  - c) Rearing a fish to obtain silk.
  - d) Each electrical appliances have at least one terminal
- Q23. What are synthetic fibres? How are they obtained? What is the difference between synthetic and natural fibre.

## **SECTION - E**

- For question number 24 and 25 read the paragraph given below and answer the given questions
- Q24. Leaves have tiny pores present on their surface called stomata these help in exchange of gases for transportation and photo synthesis the leaf takes in carbon dioxide and gives out oxygen during the process of photosynthesis glucose is produced in the leaf as a result of photosynthesis, it is stored as starch.
- A) What is stomata?
  - B) What are the functions of stomata?
  - C) How glucose is produced in the leaf?
- Q25. "Shake well before use" occasionally you will find this written on the bottle of Medicines.
- A) What is the need of shaking?
  - B) What kind of mixture are they?
  - C) What will happen if it is used without shaking?